

The Lockheed Aircraft Corporation has built a single engine jet aircraft (using the Pratt & Whitney J-57 engine) of which a number have been procured by the United States Air Force. It has been designated as the U-2. A few of these aircraft have been made available to the National Advisory Committee for <sup>Aeronautics</sup> Aviation for conducting a research program designed to observe and measure certain phenomena at high altitudes. Studies will include the effects of cosmic rays, turbulence characteristics especially in the jet stream, temperature structure, wind structure, and the concentration of certain elements in the atmosphere such as ozone and water vapor. The program will be conducted by the NACA with the logistical and technical support of units of the USAF/Air Weather Service. Research activities are presently being conducted in the United States from a restricted area [REDACTED] 25X1A6a

Similar activities will be conducted from certain USAF installations overseas where the Air Weather Service will act as executive agent in the actual conduct of data-gathering operations since the NACA has facilities and personnel only in this country.